

WES Components - S200W Subwoofer Amplifier

Sub woofer Amplifier 200W/ 4

S200W

Features:

- Large Heavy Duty Power Transformer
- High current 20,000 uf power supply for 4 loads
- Pure copper speaker cable 4.25 mm 2 x O.F.C(284 strand per conductor) direct soldered to PCB ,No Hi loss in line speaker connectors
- Heavy duty Hi purity copper 3 core Power Lead
- 4 X Hi Power Discrete high current drivers and output devices
- Large Heat-sink
- Output short circuit protection circuit
- System thermal overload protection device
- Gain control Woofer -Volume level
- Freq control Variable low pass
- Phase Reverse/Normal switch 180 degs
- Auto on/off control
- Gold plated RCA low level in/out sockets
- Speaker high level in/ out terminals
- 24db/octave 17Hz filter to reduce excessive cone excursion
- Thermal over load protection
- Heavy duty power cable Multi colour LED power indicator and protection mode indicator
- Master power switch auto /on/off
- Power on in (auto) standby mode triggers with signal input
- AC 240V
- Soft Clipping circuit
- Video/Audio filter switch

OPERATION Instruction notes

- USE Only one set of inputs at a time either LOW or High

Specifications:

200 w @ 4 ohm
 162 W @ 8 ohm
 THD: 0.8% @ onset of clipping full power

S/N ratio @ rated Power
 82dB

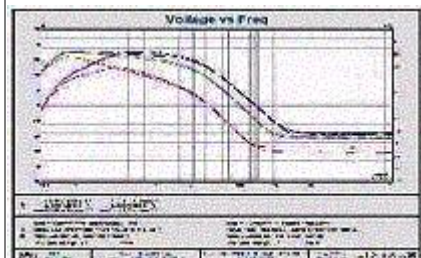
Input sensitivity - Video
 ref 100Hz@1W @ 8Ohm

@ low level 214mV rms
 @ high level 1.71V rms

Input impedance:
 Low Level :49K
 High Level :2.2K

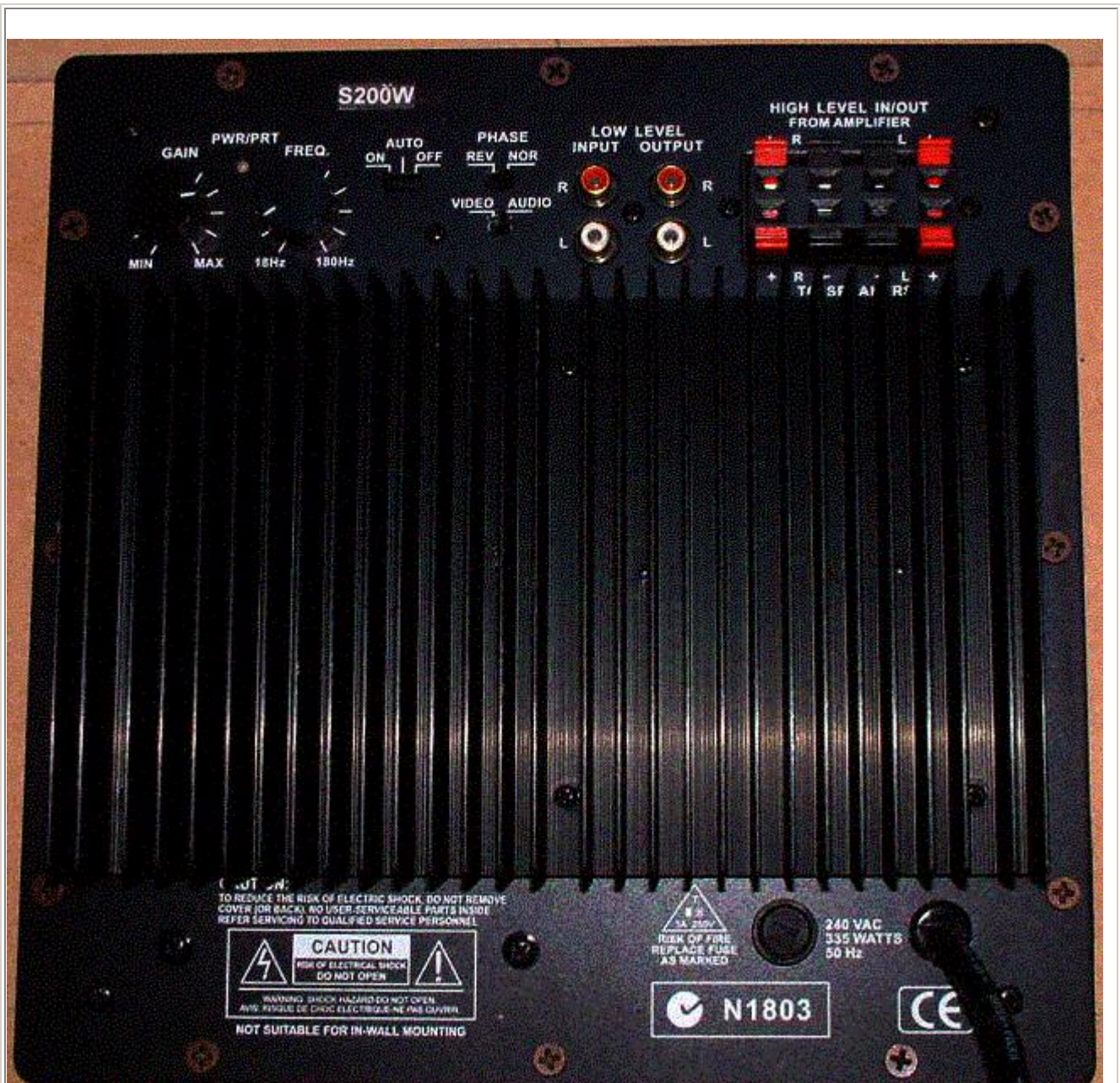
Variable low pass freq control
 Phase switch 180deg
 Frequency range
 Audio mode 10-250 Hz
 Video Mode 18-180Hz
 Sub Harmonic Filter
 24db/octave 17HzLPF

Graph showing Gain and Freq Control settings

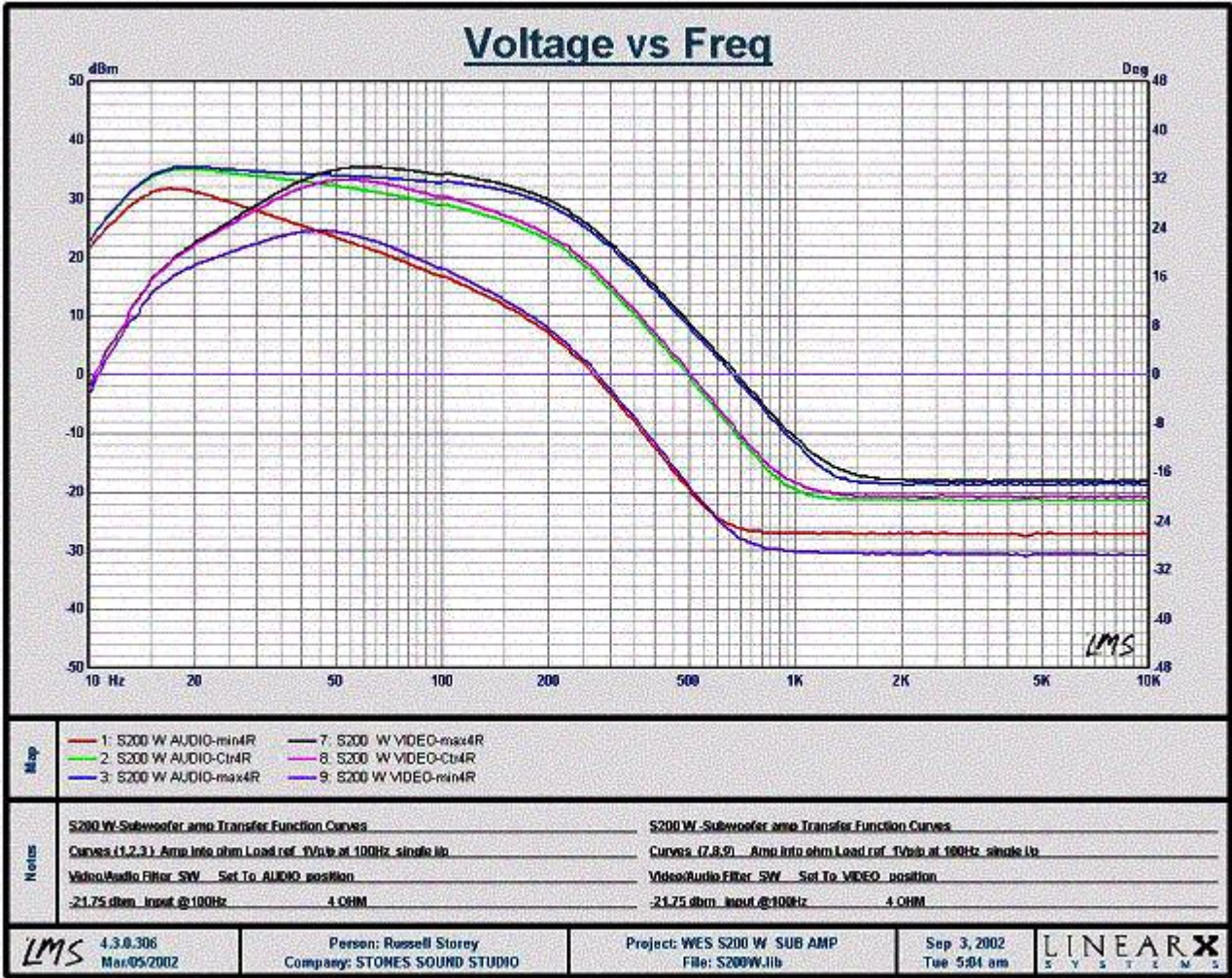


LEVEL- not both

- LOW input: Bridge both L& R Low level inputs if you have a mono output from your DVD or Home Theatre Amplifier this will give a 6db volume Level boost.
- HIGH input : separate L&R speaker cable feeds from L&R front speakers to the High level inputs on Sub Amp for Home theatre or Music DVD # Double check the polarity of the speaker leads is correct before switch on .
- PWR / PRT : LED light normal mode **Green**, Protection mode LED changes to **RED**
- Use Phase switch REV /NORM to achieve the deepest bass in sync with the L&R Front Speakers
- Delayed Power on takes 5 to 20seconds this is the Speaker anti thump circuit protecting the speaker on initial switch on
- Subwoofer Level Frequency and phase controls are to achieve the best sound from your Subwoofer speaker in conjunction with the Subwoofer speaker room position .This will vary radically with different rooms and different program material music requiring different settings of the Gain/Freq/Phase Controls DVD movies require different settings to DVD music or CD Music



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Graph showing Gain and Freq
Control settings
Video /Audio S200W 4ohm load